

App. No. 10/710,296
Amendment dated November 17, 2005
Reply to Office action of June 28, 2005

Please replace the pending abstract of the disclosure with the following amended abstract:

ABSTRACT

~~The object of the present invention is to provide a magnetizing method which makes it easy to adjust a magnetization waveform. And the other object of the present invention is to provide a magnetizing method which makes it easy to adjust magnetization conditions and enables a more appropriate magnetization waveform to be obtained.~~ A conductive attenuation body is arranged close to at least a part of surface of a material to be magnetized. ~~The material is a substance having a~~ which has far lower conductivity than that of the attenuation body. Furthermore, the change in magnetic field flux during magnetization is ~~a so-called pulse, that is, magnetic flux thereof~~ is rapidly intensified for a sufficiently short period of time and then rapidly weakened. The magnetization flux is impressed in form of penetrating the attenuation body. With the rapid change in the magnetization flux over time, in the conductive attenuation body, an eddy current is generated in a direction canceling the magnetization flux and thus the magnetization field weakens. The magnetization waveform can be adjusted by adjusting a thickness, an arrangement shape or expanse of the attenuation body.